# Induced pluripotent stem cells

Czepiel, Marcin

# INDUCED PLURIPOTENT STEM CELLS: THERAPEUTIC POTENTIAL FOR MULTIPLE SCLEROSIS

MARCIN CZEPIEL

Printing of this thesis was supported by:
University of Groningen, Faculty of Medical Sciences, UMCG, Research School of Behavioural and Cognitive Neurosciences (BCN) and Stichting MS Research







Cover design, layout and printing:

Lovebird design & printing solutions
www.lovebird-design.com

ISBN: 978-90-367-7540-3
ISBN (ebook): 978-90-367-7539-7

university of groningen

# Induced Pluripotent Stem Cells: therapeutic potential for multiple sclerosis

## PhD thesis

to obtain the degree of PhD at the
University of Groningen
on the authority of the
Rector Magnificus Prof. E. Sterken
and in accordance with
the decision by the College of Deans.

This thesis will be defended in public on

Monday 12 January 2015 at 11.00 hours

by

**Marcin Rafał Czepiel**

born on 2 August 1984
in Żywiec, Poland

**Supervisor**
Prof. H.W.G.M. Boddeke

**Co-supervisor**
Dr. J.C.V.M. Copray

**Assessment committee**
Prof. S. Amor
Prof. W. Brück
Prof. M.S. van der Knaap

**CONTENTS:**